

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A self-calibrating imaging display system comprising:
a display having a screen;
~~at least one~~ a plurality of photosensors formed on a transparent sheet removeably affixed to integrated with said screen, said photosensors detecting luminance values correlating to [[a]] distinct luminance levels at different regions of said screen;
a calibration module, said calibration module receiving from said photosensors inputs correlating to said luminance values, said calibration module determining a plurality of luminance correction factors, different ones of said luminance correction factors being applied to different regions of said screen, which are applied to adjust luminance of said screen at the different regions.
2. (Currently Amended) The self-calibrating imaging display system of claim 1, wherein said ~~at least one photo-sensor~~ plurality of sensors comprises an array of photosensors.
3. (Currently Amended) The self-calibrating imaging display system of claim 2, wherein said array of photosensors comprises photosensors horizontally and vertically dispersed over a portion of said ~~transparent sheet~~ screen.

4. (Currently Amended) The self-calibrating imaging display system of claim 3, wherein said portion is a region of ~~said transparent sheet~~ comprising at least 90% of a surface area of said screen.
5. (Currently Amended) The self-calibrating imaging display system of claim 1, wherein said ~~at least one photosensor is~~ photosensors are formed into said ~~transparent sheet~~ screen.
6. (Canceled)
7. (Cancelled)
8. (Cancelled)
9. (Currently Amended) The self-calibrating imaging display system of claim ~~[[7]]~~ 1, wherein said calibration module automatically updates said luminance correction factor at predetermined intervals.
10. (Currently Amended) The self-calibrating imaging display system of claim ~~[[8]]~~ 1, wherein said calibration module updates said luminance correction factor at said different regions responsive to a user input ~~on said transparent sheet at said different~~ regions.
11. (Currently Amended) The self-calibrating imaging display system of claim ~~[[7]]~~ 1, said calibration module generating a calibration record upon an update of said luminance correction factor.

12. (Previously Presented) The self-calibrating imaging display system of claim 1, wherein said imaging display is a medical imaging display.

13. (Currently Amended) A self-calibrating imaging display system comprising:
a display having a screen;

~~at least one~~ a plurality of photosensors formed on a transparent sheet removeably affixed to integrated with said screen, said photosensors detecting color values correlating to [[a]] distinct color levels at different regions of said screen

a calibration module, said calibration module receiving from said photosensors inputs correlating to said color levels, said calibration module determining a plurality of correction factors, different ones of said correction factors being applied to different regions of said screen, which are applied to adjust color levels at different regions of said screen.

14. (Currently Amended) The self-calibrating imaging display system of claim 13, wherein said ~~at least one photo-sensor~~ plurality of sensors comprises an array of photosensors.

15. (Currently Amended) A method of calibrating an imaging display system comprising the steps of:

~~receiving at least one luminance values from at least one~~ a plurality of ~~photosensors formed on a transparent sheet removeably affixed to~~ integrated with a screen of a display, said photosensors detecting distinct luminance levels at different regions of said screen; and

~~from said detected luminance levels, determining at least one luminance correction factor~~ a plurality of luminance correction factors which [[is]] are applied to different regions of said screen so as to adjust luminance of said screen at the different regions.

16. (Currently Amended) The method of calibrating an imaging display system according to claim 15, wherein said ~~at least one photo-sensor~~ plurality of sensors comprises an array of photosensors.

17. (Currently Amended) The method of calibrating an imaging display system according to claim 16, wherein said array of photosensors comprises photosensors horizontally and vertically dispersed over ~~a portion of said transparent sheet~~ said screen.

18. (Currently Amended) The method of calibrating an imaging display system according to claim 17, wherein said portion is a region of said screen comprising at least 90% of a surface area of said ~~transparent sheet~~ screen.

19. (Cancelled)

20. (Original) The method of calibrating an imaging display system according to claim 15, further comprising the step of automatically updating said luminance correction factor at predetermined intervals.

21. (Currently Amended) The method of calibrating an imaging display system according to claim ~~[[19]]~~ 15, further comprising the step of updating said luminance correction factor at said different regions responsive to a user input ~~on said transparent sheet at said different regions~~.

22. (Original) The method of calibrating an imaging display system according to claim 15, further comprising the step of generating a calibration record upon an update of said luminance correction factor.

23. (Currently Amended) A method of calibrating an imaging display system comprising the steps of:

receiving ~~at least one~~ distinct color values ~~from at least one photosensor formed on a transparent sheet removeably affixed to~~ a plurality of photosensors integrated with a screen of a display, said photosensors detecting color levels at different regions of said screen; and

~~from said detected color levels, determining at least one color correction factor~~ a plurality of luminance correction factors which ~~[[is]]~~ are applied to different regions of said screen so as to adjust color levels of said screen at the different regions.

24. (Currently Amended) The method of calibrating an imaging display system according to claim 23, wherein said ~~at least one photo-sensor~~ plurality of photosensors comprises an array of photosensors.

25. (Currently Amended) A machine-readable storage having stored thereon a computer program having a plurality of code sections, the code sections executable by a machine for causing the machine to perform the steps of:

receiving ~~at least one~~ luminance values ~~from at least one~~ a plurality of photosensors ~~formed on a transparent sheet removeably affixed to~~ integrated with a screen of a display, said photosensors detecting distinct luminance levels at different regions of said screen; and

~~from said detected luminance levels, determining at least one luminance correction factor~~ a plurality of luminance correction factors which ~~[[is]]~~ are applied to different regions of said screen so as to adjust luminance of said screen at the different regions.

26. (Currently Amended) The machine-readable storage of claim 25, wherein said at ~~least one photo sensor comprises~~ plurality of photosensors comprises an array of photosensors.

27. (Currently Amended) The machine-readable storage of claim 26, wherein said array of photosensors comprises photosensors horizontally and vertically dispersed over a portion of said ~~transparent sheet~~ screen.

28. (Currently Amended) The machine-readable storage of claim 27, wherein said portion is a region of said screen comprising at least 90% of a surface area of said ~~transparent sheet~~ screen.

29. (Cancelled)

30. (Original) The machine-readable storage of claim 25, further comprising the step of automatically updating said luminance correction factor at predetermined intervals.

31. (Currently Amended) The machine-readable storage of claim ~~[[29]]~~ 25, further comprising the step of updating said luminance correction factor at said different regions responsive to a user input on said ~~transparent sheet~~ screen at said different regions.

32. (Currently Amended) The machine-readable storage of claim ~~[[23]]~~ 25, further comprising the step of generating a calibration record upon an update of said luminance correction factor.